

DAILY ACTION PLAN

Southwest Montana Area Command

Friday August 25, 2017

SW Montana Area Command was established to manage the following fires:

Priority	Fire	Team
1	Lolo Peak	Poncin - IMT1
2	Rice Ridge	Thompson - IMT2
3	Sapphire Complex	Almas - IMT2
4	Sunrise / Burdette	Lund - IMT1
5	Liberty	Rohrer - IMT2

KEY VALUES across the Area Command include: Life 1st, Coordination and Communication.



Area Command Team 2
Tim Sexton

Email: swmontanaareacommand@gmail.com
Location: Missoula County Records Management Center
2147 Ernest Ave, Missoula MT

Posted at:

<https://gacc.nifc.gov/act> (Look under Currently Assigned)

Area Command Strategic Goals:

- Understand, support, and address AA issues and concerns;
- Provide strategic oversight and direction to IMTs/incidents;
- Prioritize incidents for resource allocation, coordinate resource needs, and as needed re-allocate resources on a task- specific, time-sensitive basis;
- Facilitate a coordinated information strategy and delivery;
- Recommend ordering, deployment and redeployment of IMTs as required, conduct in-briefs and close-outs, and provide IC/IMT evaluations upon demob;
- Make decisions and/or recommend actions in transparent manner; and continuously and clearly communicate with AA's and IMT's.

Leaders Intent Area Command Team 2

I will do my best to live up to these values as well;
I encourage each of you to hold me accountable.

- We are being requested because the agency(s) we work for really need our expertise and we are there to provide those services to the best of our ability.
- If there were no firefighters or IMT's, we'd be out of work; they are our customers as well.
- Relationships with the agency administrators, IMT's, expanded, external stakeholders, NMAC, NICC, Geographic Area and GA MAC are critical, we may have disagreements but those relationships will remain solid; people depend upon us to provide both solutions and alternatives. **Coordination and Communication.**
- Avoid the hierarchical "us vs. them" thesis with IMT's. My intent is for those IMT's to embrace the notion that collectively, we are part and parcel of a complex environment that requires good communications and teamwork.
- There is a good reason that ACT's don't carry OSC's. Our role is mindful strategic thinking and delivery.
- We do not create unnecessary work for IMT's, expanded dispatch or the agencies.
- We are not selling Area Command Teams; we are providing value added services during the most complex incident management environment, which likely will result in institutional learning and the value of these services.
- Humble, quiet professionalism; ceremonial chest pounding in public always defeats the first three words of this sentence.
- If I ever go to a fire and don't learn something, I'm done. Learning comes from everywhere.
- Each of us will be accountable for actions and decisions, if either have unintended outcomes, own it, no excuses.
- Seek to understand before being understood.
- Remember, often times the last thing we do with/for/to someone is what is remembered.
- Implementing this leaders' intent does not preclude laughter, a good sense of humor, enjoying our work, camaraderie and pride of accomplishments.
- The most valuable resource to be protected is human life; we will use decision support information so we understand those risks. **Life First.**

Roles and responsibilities of Area Command:

- Ensure that activities are coordinated within the framework of pertinent laws, agency policies, and direction provided in the Wildland Fire Decision Support System (WFDSS) and by Agency Administrator (AA) direction;
- Prioritize fires based on Geographic Area Multi-Agency Coordinating (MAC) Group objectives;
- Coordinate with all governmental entities;
- Allocate critical resources between incident;
- Reconcile issues between two or more agency administrators;
- Respond to Geographic Area needs for redistribution of resources;
- Coordinate demobilization and transitions.

Area Command Management Philosophies:

- Equal authority for Area Commander and Assistant Area Commanders;
- Operate on a strategic basis only; do not become involved with incident suppression operations or tactics;
- Act as facilitators, strategic priority setters;
- Keep the agency administrators informed and involved;
- Do not place excessive demands on IC's or their staffs;
- Set priorities for critical resources by incident based on values at risk;
- Maximize effectiveness by using the person with the highest chance of success dealing with IC's, agencies, and local problems;
- Keep it simple, safe, and cost effective.

Aviation Expectations

1. Clear and frequent communications are critical to aviation and ground safety. A daily conference call is conducted between IMT's and Area Command to facilitate communications, situational updates, Resource Status, (use & needs), Risk Management/Safecomms, issues and Demobilization are topics covered during the call;
2. If a team is considering ordering any unusual aviation asset, or is considering conducting large/complex aerial ignition operations, or large or sustained crew shuttle operations, the team will inform Area Command Aviation, in advance;
3. All filled aircraft orders and potential demob of aircraft will be communicated by Dispatch to the Area Command Aviation Coordinator, in the event of a change in incident priorities or redistribution of aircraft.

Area Command Daily Schedule

0730	AC Coordination / Team Meeting
0900	IC Zone Call
0900	Aviation Call
1000	Logistics Call
1100	AC / AA Call
1400	PIO Call
1700	Regional IC / AC Call
1730	Fire Prioritization Review
1800	Geographical MAC Call
1830	AC Coordination
1900	Planned end of day for AC

Area Command Incident Priorities and Allocations

Incident	Lolo Peak		Rice Ridge		Sapphire		Sunrise/Burdette		Liberty	
Priority	1		2		3		4		5	
8/25/2017	ROSS		ROSS		ROSS		ROSS		ROSS	
Resources	Pending Orders	Allocation	Pending Orders	Allocation	Pending Orders	Allocation	Pending Orders	Allocation	Pending Orders	Allocation
Crews:										
Type 1			2	1, 4	1	2			6	3, 5
Type 2 IA			5	1	2	2, 5	2	3, 4	6	6, 7, 8, 9
Type 2			5	1, 2, 3, 4					4	5, 6, 7, 8
Helicopters										
Type 1										
Type 2										
Type 3										
Engines										
Type 1										
Type 3										
Type 4										
Type 5										
Type 6										
Structural										
Dozers										
Overhead										
DIVS										
HEQB										
TFLD										

Definition: A critical resource is a common unfilled resource order from more than one IMT.

IMT Transitions – SW Montana Zone Area Command

Fire/Complex	IMT Assigned	Inbriefing Date	Inbriefing Time	Day 14	Extend to Date	Decision To Replace IMT	Close Out Date	Close Out Time	Remarks - In-Brief/Close Out/Transfer of Command etc.
Sapphire Complex	Pearson - IMT2	8/10/17		8/24/17		8/19/17	8/25/17	1300	C/O - Phillipsburg Elementary School
Liberty	Rohrer - IMT2	8/14/17	0800	8/28/17		8/24/17	8/29/17		
Lolo Peak	Poncin - IMT1	8/15/17	1200	8/29/17		8/25/17	8/30/17		
Burdette/Sunrise	Lund - IMT1	8/17/17	1500	8/31/17		8/27/17	9/1/17		
Rice Ridge	Thompson - IMT2	8/21/17	1500	9/4/17		8/31/17	9/5/17		
Sapphire Complex	Almas - IMT2	8/23/17	1800	9/6/17		9/2/17	9/7/17		TOC - 8/24 1800 hrs
SWM ACT	Sexton - ACT 2	8/16/17	1500	8/30/17		8/26/17	8/31/17		

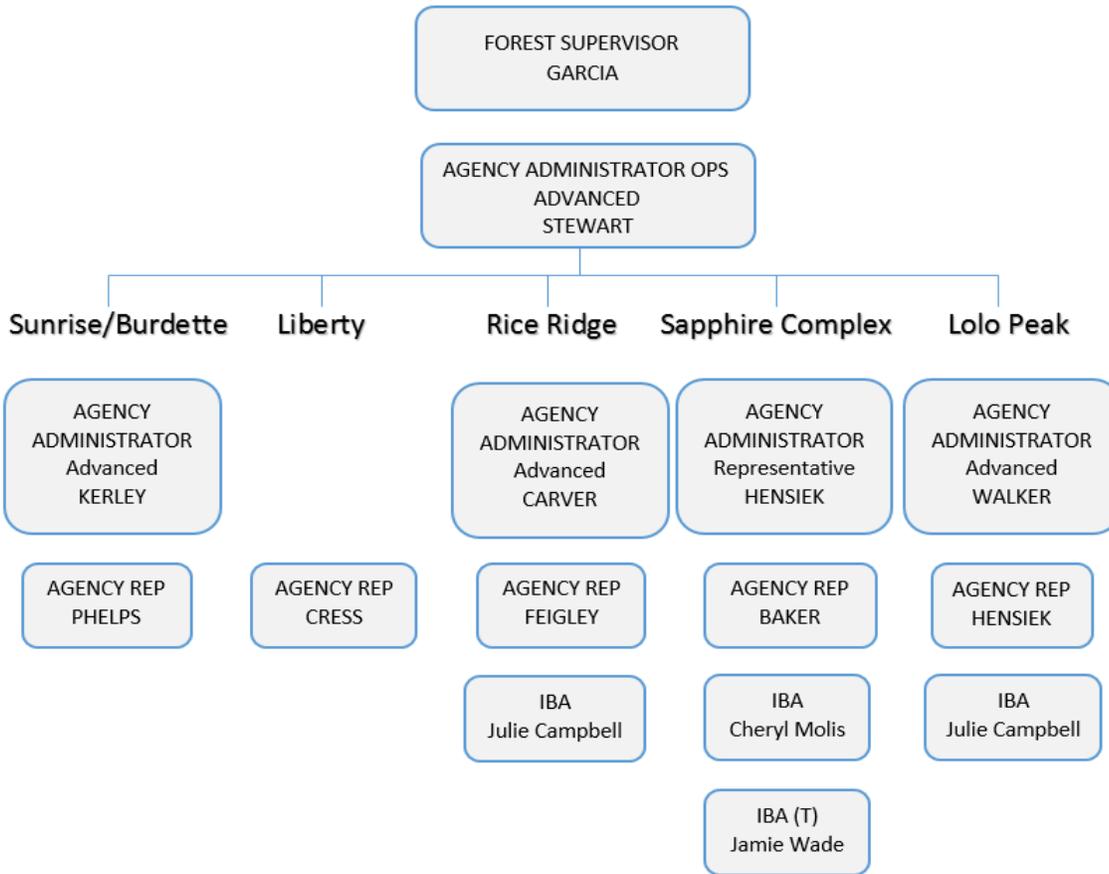
* Replacement Team / Transition

Note - IMT Transition table is sorted by Close Out Date

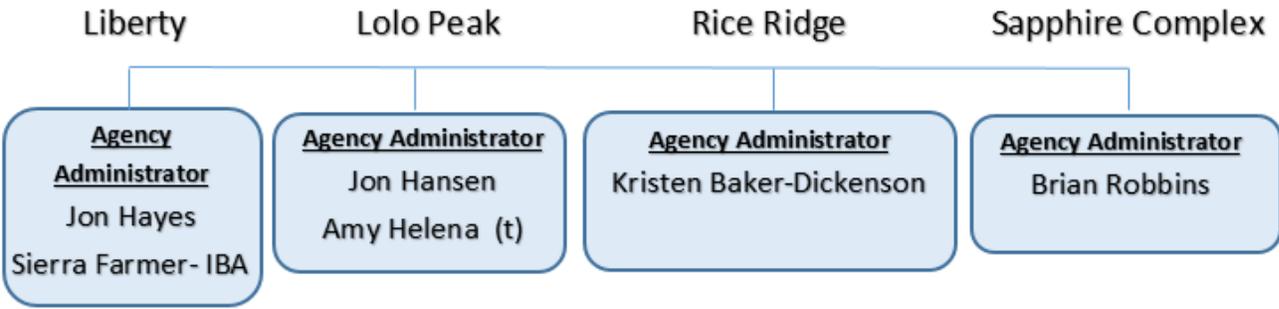
	<u>Current ICP location</u>	<u>Demobed Teams</u>		
Liberty	Arlee, MT I-90 West US-93 North - (1/2 hr from ACP)	Pearson	8/25/17	Sapphire Complex
Lolo Peak	HWY 93 South to Florence - Turn left at 1st traffic light - Follow Eastside HWY 0.8 miles to Klements Ln.- Left on Klements Ln. 1.1 miles to ICP in field on left.	Goldman	8/23/17	Rice Ridge
Burdett/Sunrise	Tarkio exit 61 from I-90 West (1 hr from ACP)	Stutler	8/17/17	SW MT Area Cmnd
Sapphire Complex	I-90 East, Drummond Exit 153, Route 1 South 27 miles to Airport Road - Follow signs to ICP - (1 1/2hr from ACP)	Livingston	8/17/17	Lolo Peak
Rice Ridge	From Missoula take I-90 East to Bonner - Exit 109 - Hwy 200 to junction of Hwy 200 & Hwy 83. Turn North on Hwy 83 - Travel 14 miles towards Seeley Lake. ICP is on the East side of Hwy 83.	Turman	8/17/17	Sunrise/Burdette
		McGowan	8/15/17	Liberty
		Thompson	8/12/17	Sapphire Complex
		Pearson	8/06/17	Sunrise/Burdette
		Poncin	8/05/17	Lolo Peak

Area Command 209 Summary – August 24, 2017 @ 1800 hrs

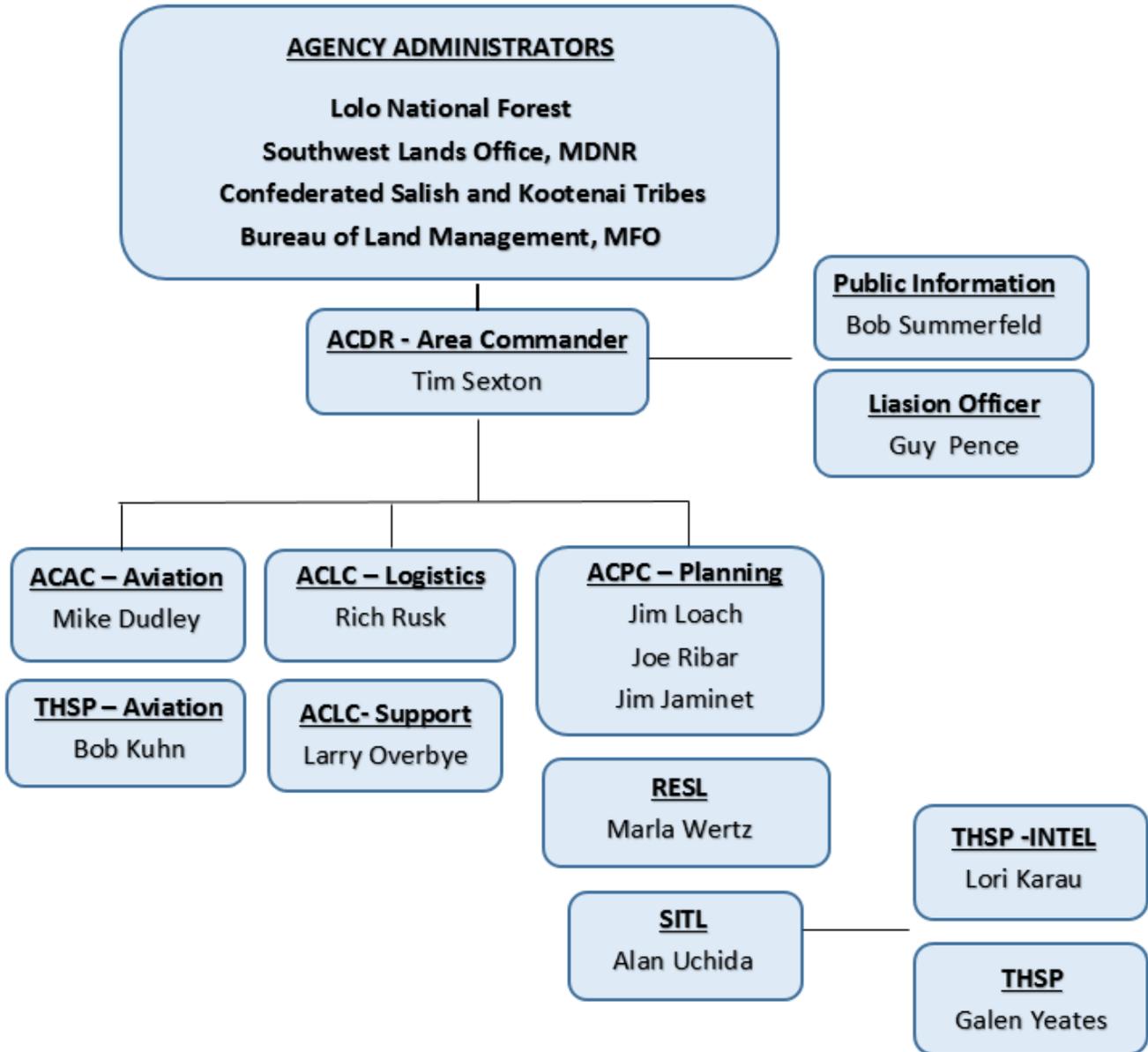
AC Priority	Incident Name	Unit(s)	IMT	Size To Date (Acres)	Contained or Completed (%)	Expected Containment Date	Est. Costs To Date (\$ Millions)	Structures Threatened (Up to 72 hrs.)	Structures Destroyed	Fire Suppression Strategy	
										Strategy	%
1	Lolo Peak	LNF, BNF & DNRC	Greg Poncin (IMT1)	34,184	16%	10/1/17	27.91	661	10	Full Suppression	100
2	Rice Ridge	LNF	John Thompson (IMT2)	17,794	16%	10/1/17	18.91	1090	0	Monitor Confine Pt. Zone Protection Full Suppression	35 20 - 45
3	Sapphire Complex (Goat Cr., Sliderock & Little Hogback)	LNF, BNF & DNRC	Shawn Pearson (IMT2)	38,851	49%	10/31/17	26.50	315	1	-	-
4	Sunrise	LNF	Beth Lund (IMT1)	25,503	57%	9/30/17	26.80	90	0	Confine Pt. Zone Protection Full Suppression	15 10 75
5	Liberty	BIA, LNF & DNRC	Taiga Rohrer (IMT2)	9,214	10%	10/15/17	11.53	0	1	Confine Full Suppression	25 75
6	Burdette	LNF	Beth Lund (IMT1)	649	90%	9/30/17	1.11	0	0	Full Suppression	100



Montana Dept. of Natural Resources & Conservation
Southwestern Land Office
Mike O'Herron – Area Command



SW Montana Area Command Organization



SW Montana Area Command Team Contact Cell Numbers		
Tim Sexton	Area Commander	208-608-6034
Jim Loach	Area Command Planning	402-871-8184
Joe Ribar	Area Command Planning	907-388-5675
Jim Jaminet	Area Command Planning	719-849-9496
Rich Rusk	Area Command Logistics	801-824-6067
Larry Overbye	Area Command Logistics	970-260-0543
Mike Dudley	Area Command Aviation Coordinator	801-540-4881
Bob Kuhn	Area Command Aviation Specialist	208-890-5363
Bob Summerfield	Area Command Information	406-214-5304
Guy Pence	Liaison Officer	208-861-3471
Lori Karau	Technical Specialist - Intelligence	218-256-3604
Marla Wertz	Area Command Resources	307-631-0344
Alan Uchida	Situation Unit Leader	530-233-6050
Gaylen Yeates	Technical Specialist	406-539-7131
Area Command Post - 2147 Ernest - Missoula, MT		
Plans	406-258-3085	
Aviation	406-258-3088	
Logistics	406-258-3080	
Missoula Expanded Dispatch 1803 Strand Ave, Missoula MT		406-829-7040

Teams within Area Command		
Sapphire IMT2	Landline / e-mail	Cell
IC - Mike Almas	406-859-9043	208-661-9548
Plans - Dick Schwecke	406-859-9049	406-761-2257
Information - Jennifer Costich Thompson	406-859-9172	208-255-2056
Logistics - Ed Hinds	406-859-9180	208-983-0996
Logistics - David Klym		703-232-5872
Air - Carl Ritchie III		208-597-6872
email		
Sunrise/Burdette IMT1		
IC - Beth Lund	elund@fs.fed.us	801-745-7866
Dept IC - Mark Giacoletto	mgiaconoletto@fs.fed.us	307-899-1221
Plans - John Noneman	jnoneman@blm.gov	208-859-8739
Plans - Brian Eldredge	jumpcrk77@gmail.com	208-869-6362
Information - Kathy Jo Pollock	kpollock@fs.fed.us	801-558-8016
Logistics - Mike Dettori	mdettori@fs.fed.us	208-731-9381
Logistics - Dave Haston	dhaston@fs.fed.us	208-484-7967
Air - Mike Kerrigan	mkerrigan@verizon.net	716-957-4705
AOBD - Mike Kerrigan	mkerrigan1@verizon.net	716-957-4705
email		
Rice Ridge IMT2		
IC - John Thompson		406-490-1123
Deputy IC - Mike Gagen		406-223-1243
Plans - Ron Hecker		406-223-0957
Information - Erin Fryer		406-740-7005
Logistics - Rick Hotaling		406-490-0301
Logistics - Bill Bowman		906-286-3625
Air - Kevin Brown		406-570-6606
email		
Lolo Peak IMT1		
IC - Greg Poncin		406-250-4439
Dept IC - Mike Goicoechea		406-865-0975
Plans - Paul Fieldhouse		406-646-6782
Dept Plans - Mike Kopitzke		406-544-1464
Information - Lisa Radosevich-Craig	lradosevichcraig@fs.fed.us	218-349-7918
Logistics - Roylene Gaul		406-546-9320
Dept Logistics - Jim Evanoff		406-223-8660
Air - Dennis Morton		406-660-2318
email	poncinimt@gmail.com	
Liberty IMT2		
IC - Taiga Rohrer	taiga_s_rohrer@nps.gov	435-619-1605
Plans - Rose Henderson		775-720-6547
Information - David Chevalier		801-641-6819
Logistics - Jason Kling		435-979-5950
Air - Bill Hayes		435-621-3061
email	gbimt3rohrer@gmail.com	



Southwest Montana Area Command

Daily Aviation Plan

Area Command Team 2 (Sexton)

08/25/2017

Safety Message

Safety Message

**“To go up, pull back on the stick.
To go down, pull back further.”**

Safety Message

Safety Message

Aviation Objectives

- Provide for aviator, firefighter and public safety
- Ensure well-coordinated communications between complexes, IA and GACC Centers
- Use aircraft effectively and efficiently while minimizing costs
- The sharing of aircraft between incidents will continue

General Information

- Southwest Montana Area Command Post is in Missoula MT.
- The Colorado MMA was ordered to provide all incidents real time day time IR products/maps in support of fire operations within the Northern Rockies GACC. Ordering instructions are on last page of this section.

Safety

- Practice SEE AND AVOID and announce your intentions.
- Smoke conditions will continue to hamper safe operations.
- Adhere to Fire Traffic protocols.
- Visibility- FAR 91.155 - MAINTAIN VFR MINIMUMS, FOR THE CLASS OF AIRSPACE.
- Refer to current NOTAMs for airspace and TFR changes.
- Monitor Pilot and ATGS fatigue.

New Orders

- New orders for personnel will need 48 hour lead time.
- New Aircraft orders will need 24 hour lead time for Helicopters and Air Tactical Platforms.

Aircraft Summary

ASSIGNMENT		Fixed Wing				Helicopters						Total	
		Air Attack		Misc.		Type 1		Type 2		Type 3		Have	Need
		Have	Need	Have	Need	Have	Need	Have	Need	Have	Need		
Lolo Peak		2				4				4		10	
Sapphire Complex		2				1		3		2		8	
Rice Ridge		1				3				2		6	
Sunrise / Burdette		1				2		2		3		8	
Liberty		1						2		1		4	
TOTALS		7				10		7		12		36	
Fixed wing Total	7	Fixed wing needed				0		Remarks:					
Rotor wing Total	29	Rotor wing needed				0							
Total Aircraft	36	Total Aircraft needed				0							

Critical Personnel / Resources

Incident	Needed	Position	Priority
Lolo Peak			
Liberty			

TFR Information

TFR Information		
WARNING CHECK FOR CHANGES BEFORE FLIGHT		
Incident	Number	Notes
Lolo Peak	7/3075	
Sapphire Complex	7/3065	
Rice Ridge	7/9440	
Sunrise / Burdette	7/2171	
Liberty	7/7200	

Aircraft Inventory

INCIDENT	N #	TYPE A/C	CATEGORY	LOCATION	REMARKS
Lolo Peak					
I	N184CH	BV-107	Restricted	Stevensville	MT-LNF-001288 A-22
I	N949CH	CH-47D	Restricted	Stevensville	MT-LNF-001288 A-67
I	N562AJ	CH-47		Stevensville	MT-LNF-001288 A-105
I	N471CH	CH-47		Stevensville	MT-LNF-001288 A-108
III	N538TD	B206L4		Stevensville	MT-LNF-001288 A-109
III	N401HQ	AS350-B3	Short Haul	Stevensville	MT-LNF-001288 A-111
III	N215GH	AS350-B3		Stevensville	MT-LNF-001288 A-91
III	N528TD	B206 L4		Stevensville	MT-LNF-001288 A-97
FW	N112AA	AC500B		Missoula	MT-LNF-001288 A-07
FW	N44NC	AC690B		Missoula	MT-LNF-001288 A-76
Sapphire					
I	N116	K-1200	Restricted	Philipsburg	MT-LNF-001463 A-07
II	N1577	UH1H	Restricted	Philipsburg	MT-LNF-001463 A-51
II	N111DR	UH1H	Restricted	Philipsburg	MT-LNF-001463 A-52
II	N17HX	Bell 205	Exclusive	Philipsburg	MT-LNF-001463 A-67
III	N352TA	AS350 B3		Philipsburg	MT-LNF-001463 A-37
III	N407MC	B407		Philipsburg	MT-LNF-001463 A-03
FW	N500FT	AC500-B		Missoula	MT-LNF-001463 A-20
FW	N255	C-337		Missoula	MT-LNF-001463 A-45
Rice Ridge					
I	N303AJ	CH-47D	Restricted	Mission	MT-LNF-001464 A-93
I	N760HT	S-61N	Restricted	Mission	MT-LNF-001464 A-67
I	N472CH	CH-47D	Restricted	Mission	MT-LNF-001464 A-79
III	N614HH	AS350 B3		Seeley	MT-LNF-001464 A-47
III	N357TA	AS350 B3		Missoula	MT-LNF-001464 A-97
FW	N351SA	AC500-S		Missoula	MT-LNF-001464 A-39
Sunrise – Burdette					
I	N161CG	S-61	Restricted	Missoula	MT-LNF001336 A-30
I	N401AJ	CH-47D	Restricted	Superior	MT-LNF001336 A-62
II	N143SP	UH1H	Restricted	Superior	MT-LNF001336 A-43
II	N2773H	B205++		Superior	MT-LNF001336 A-39
III	N49MA	B206L4	Available	Superior	MT-LNF001336 A-81
III	N102RF	AS350 B3		Superior	MT-LNF001336 A-91
III	N684H	B407		Superior	MT-LNF001336 A-20
FW	N50EA	BE90E		Missoula	MT-LNF-001463 A-120

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INCIDENT	N #	TYPE A/C	CATEGORY	LOCATION	REMARKS
Liberty					
II	N210MA	B210	Exclusive	Mission	MT-FHA-000105 A-52
II	N387M	UH-1H		Mission	MT-FHA-000105 A-64
III	N283BH	B206L3		Mission	MT-FHA-000105 A-59
FW	N578WY	AC500-S		Missoula	MT-FHA-000105 A-49
FW	N6252X	AC500-S		Missoula	MT-FHA-000105 A-58

Demobilization Strategy

- Area Command Aviation Coordinator will coordinate demob aviation resource reassignment within the delegation of incidents based on the daily incident priority needs.
- Reassignment of aviation resources will be coordinated with the releasing and receiving dispatch offices in conjunction with the Aviation Coordinator.
- Resources (aircraft and modules) will be released from zone incidents only when authorized by Area Command.
- All “O” orders (Helicopter Modules/Single Resources) assigned to aircraft, must demob through Expanded Dispatch Overhead Desk. The Aircraft Desk in Dispatch will coordinate with Expanded Dispatch Overhead to ensure married up units are not separated until reassignment orders are evaluated.

Guidelines for Demobilization

- Prepare and provide Area Command with a ramp down schedule.
- Notification period of 24 hours is required for tentative releases on aircraft and single resource modules to Area Command, Aviation. Final notification of firm release orders will be sent to AC, 12 hours prior to release.
- Standard IHOG Demob Information Sheet will be submitted with each confirmed release to Area Command, Aviation.

Release Priority

- Local IA Aircraft
- In-area Exclusive Use helicopters to home units for initial attack
- Out-of-area exclusive use initial attack helicopters needed by home unit
- Out-of-area CWN helicopters
- In-area CWN helicopters

Demobilization Criteria

- Cost effectiveness for meeting projected incident mission parameters
- Projected maintenance schedules
- Availability for reassignment based on 14 day policies
- ACAC Conference Call – will tag onto the end of the Regional call

Discussion Points:

- Resource Status (use and needs)
- Critical needs; aircraft / management, lend lease

Initial Attack Responsibilities

- **On National Forest Service Responsibility Lands**- The Forest or District will make initial attack on the ground with resources. They will coordinate with the fire on use of aerial resources. Ingress of aerial resources will be cleared into the TFR by ATGS.
- **On Montana State Responsibility Lands and the Beaverhead-Deerlodge NF**- The Incident Management Team will conduct initial attack with ground and air resources on all new fire starts within the assigned TFR.

Colorado Multi-Mission Aircraft (MMA) Ordering (N328SF):

- The MMA has been assigned to the SW Montana Area Command and will be hosted by the Sunrise/Burdette Fire. Daily priorities will be identified by Area Command. Any IMT interested in the MMA should have the order placed by the AOBD to Missoula Dispatch, aircraft desk. Missoula Dispatch will fill the order and contact the MMA operator. Each IMT's incident SITL OPS or GISS should make contact with the MMA Manager, Jesse Moreng at 720.724.1543 with your specific data collection or instructions. See ordering document.

Area Command Aviation Directory

Area Command				
Position	Name		Cell	E-Mail
Aviation Coordinator	Mike Dudley	406-258-3088	801-540-4881	mdudley@fs.fed.us
Aviation Specialist	Bob Kuhn	406-258-3088	208-890-5363	robertkuhn01@gmail.com
Air Operation Branch Directors / Air Support Group Supervisors				
Incident	Name	Position	Cellphone	E-Mail
Burdette / Sunrise	Mike Kerrigan	AOBD	716-957-4705	mkerrigan1@verizon.net
Burdette / Sunrise	Mickey Smith	ASGS	435-260-2086	msmith11@fs.fed.us
Liberty	Bill Hayes	AOBD	435-621-3061	billhayes241@gmail.com
Liberty	Rob Rodgers	ASGS	775-315-6199	rrodgers@forestry.nv.gov
Lolo Peak	Dennis Morton	AOBD	406-660-2318	damorton@fs.fed.us
Lolo Peak	Brian Campbell	ASGS	541-420-4586	bcampbell6903@hotmail.com
Lolo Peak	John McKee	AOBD-T	406-370-7028	jmkee@fs.fed.us
Rice Ridge	Kevin Brown	AOBD	406 570-6606	kkbrown@fs.fed.us
Rice Ridge	Chad Runyan	ASGS-T	218-343-9317	carunyan@fs.fed.us
Sapphire Complex	Tim Elder	AOBD	863-243-1438	wildfire.tim@gmail.com
Sapphire Complex	Scott Robinson	ASGS	208-661-7695	scottoriole@q.com
Conference Call				
Type	Time	Number	Pass code	Frequency
Regional Conference Call	0900	888-844-9904	2570809#	Daily
Other				
Position	Name	Cell	Office	E-Mail
Lolo NF FAO	Beau Dobberstein	406-370-3374	406 329-1075	bdobberstein@fs.fed.us
Lolo Aircraft Desk		406-829-7070	406 829-7060	
SW DNRC AO	Mark Nanke	406-544-8845	406 542-5820	mnanke@mt.gov
Air Space Coordinator	Nate Carle	616-481-7369	406-329-7333	nate_carle@fws.gov

R-1 Northern Rockies – August 2017
SW Montana Area Command
Colorado Multi-Mission Aircraft (MMA) Ordering
N328SF

The Colorado MMA was ordered via a State to State (Montana to Colorado) request to provide IR products/maps in support of fire operations within the Northern Rockies GACC. The MMA will supplement National Infrared Operations (NIROPS) with special requests during daytime operations.

The MMA has been assigned to the SW Montana Area Command and will be hosted by the Sunrise/Burdette Fire. Daily priorities will be identified by Area Command. Any IMT interested in the MMA should have the order placed by the AOB to Missoula Dispatch, aircraft desk. Missoula Dispatch will fill the order and contact the MMA operator. Each IMT's incident SITL OPS or GISS should make contact with the MMA Manager, Jesse Moreng at 720.724.1543 with your specific data collection or instructions.

Orders for the MMA outside of the area command process should be created at the incident host dispatch and then placed to Missoula Dispatch.

The MMA operates outside of the Fire Traffic Area (FTA), but will notify incident air attacks once they are over the incident. Once the data is collected, it will be sent to decision support and uploaded to the FTP site and the incident SITL or GISS will be notified via phone.

Ordering point for the MMA will be the aircraft desk at Missoula Dispatch.

Additional information about the MMA is as follows:

What is the MMA? – The Multi-Mission Aircraft is a Pilatus PC-12, a single engine turboprop aircraft. It is a fully capable IFR aircraft that has a service ceiling of approximately 30,000 feet and is capable of traveling at 250 knots. It is equipped with a sensor array and associated software that was originally developed as an Intelligence, Surveillance, and Reconnaissance (ISR) resource for U.S. military forces. The system has been adapted for use in wildland fire and other civilian all-hazard events, and allows for video and still photo capture as well as creation of vector products. Typical mission duration is 4 to 5 hours. The aircraft and crew are available on a standard 14-hour duty day with an 8-hour flight limit for the pilots, though we can arrange for an additional pilot in cases where there might be a demand for more flight time.



Where does the MMA operate? – Typically, the MMA operates at 18,000 to 20,000 feet. This is well above the Fire Traffic Area and Temporary Flight Restrictions established on most wildland fire incidents and allows us to operate without interfering with the tactical aircraft that are operating within the FTA.

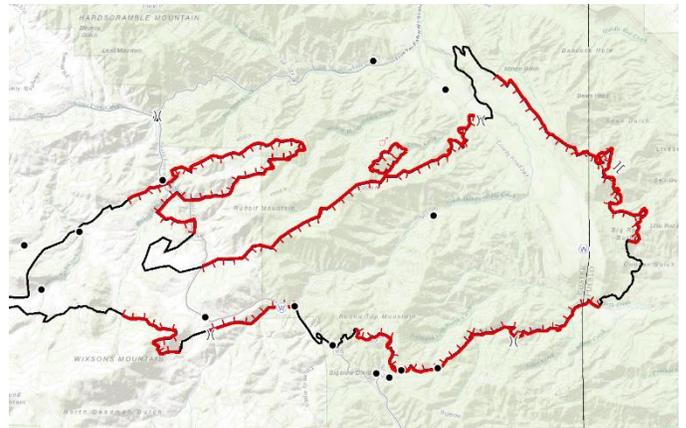
What can the MMA do for me? – The MMA utilizes a MX-15 sensor ball that contains three cameras, Infrared, Electro-optical (color) wide, and Electro-optical narrow. The Infrared camera can see through smoke, but not clouds. By utilizing these cameras, the operators can detect heat sources from many miles away and can gain and share situational awareness to ground forces and Incident Management Teams. The cameras are linked to a mapping system that allows the operators to create fire perimeters and point data such as new fire detections, spot fires, fire access, and structures. All vector data is sent in the form of KML files, photos are JPG's, and video is exported as MP4. **It is important to understand that all products are created by the operator in the aircraft, there is no interpretation or post-processing done by personnel on the ground. The product/maps will be uploaded to the NIFC FTP and EGP site and easily accessed by SITL's. Please see**



separate document on how to easily access the EGP site. If needed, it is possible to communicate via radio or “Google Hang out” with the MMA real time.

How do I communicate with the MMA? – The aircraft is equipped with three programmable FM radios, two AM aircraft radios, and an 800 MHz radio. In addition, the on-board AirCell allows for email and Google Chat functionality any time that the aircraft is above 10,000 feet. These features allow us to deliver photos, video, and vector products to the ground in near real time, though a constraining factor is often the ground user’s connectivity to a cellular network.

What information does the MMA need from me? – More information is better! A minimum is a latitude/longitude, air to ground frequency, and a ground contact. It is also important for us to know if any other aircraft are assigned to the fire, and what frequencies that will be operating on. We can import existing fire perimeters and point data as KML files. Beyond that, it would be best to provide clear expectations about the area that you want us to look at, what types of products (photo, video, vector) you would like, and how to get them to the requesting unit.



What does the MMA cost? – Currently, the daily availability is \$3800 a day, and the hourly flight rate is \$1800. This includes the aircraft and pilot salary; operator salary and overtime as well as subsistence for the pilot and operators are additional costs. The operator’s base schedule is twelve hour days, but can be extended to up to sixteen hours. The MMA will normally come with two operators, as the workload in the back of the aircraft can be very demanding.

If you have specific questions about data while the aircraft is supporting operations in the Northern Rockies, please contact the sensor operator directly; **Jesse Moreng, 720-724-1543** or **Danell Doyle at 720-354-6932**. The point of contact for Area Command is Mike Dudley, ACAC at 801-540-4881 or mdudley@fs.fed.us.